UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MINNESOTA
IRON RANGE RESOURCES AND REHABILITATION COMMISSION

VIRGINIA QUADRANGLE
MINNESOTA-ST. LOUIS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

7479 II NW (IDINGTON)
7479 III NW (BIWABIK NW)
7479 II NE (BRITT)
7479 II SW (KINNEY)
7479 III SW (MC KINLEY)
(KIRK) 7478 I NW
(GILBERT) 7578 IV NW

92°37'30"
47°37'30"
92°30'
35'
32'30"
2 120 000 FEET
2 140 000 FEET
410 000 FEET
370 000 FEET
R. 18 W.
R. 17 W.
T. 59 N.
T. 58 N.

Sandy Lake
Little Sandy Lake
Sand River
Admiral Lake
Brittmount
Mine Dump
TAILINGS POND
SUPERIOR NATIONAL FOREST
WOURI
LAURENTIAN DIVIDE
MOUNTAIN IRON NAT HIST SITE
Mountain Iron
Parkville
West Virginia
VIRGINIA
Franklin
Virginia Lake
Silver Lake
Mud Lake
Hopper
Rainy Junction
Lookout Mountain
Radio Tower
Golf Course
Hospital
Greenwood Cemetery
Olcott Park
Ranger Station
Water Tank
Pilot Mine
Wheeling Mine
WACOOTAH MINE
Auburn Pit
Tailings Pond
FOREST BOUNDARY
CORPORATE BOUNDARY
MOUNTAIN IRON
DULUTH, MISSABE AND IRON RANGE RAILWAY
DULUTH, WINNIPEG AND PACIFIC
BURLINGTON NORTHERN
DULUTH, MISSABE AND NORTHERN
HIBBING 24 MI
BUHL 7 MI
EVELETH 2.7 MI
DULUTH 64 MI
GILBERT 2.2 MI
BIWABIK 9.2 MI

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1947. Field check 1951

Polyconic projection. **1927 North American Datum**
10,000-foot grid based on Minnesota coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue

Red tint indicates areas in which only landmark buildings are shown

To place on the predicted North American Datum 1983, move the projection lines 6 meters north and 14 meters east as shown by dashed corner ticks

There may be private inholdings within the boundaries of the National or State reservations shown on this map

UTM GRID AND 1985 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
GN 0°19' 6 MILS
MN 2° 36 MILS

SCALE 1:24 000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy-duty — 4 LANE | 6 LANE
Medium-duty — 4 LANE | 6 LANE
Light-duty
Unimproved dirt
U. S. Route
State Route

MINN
QUADRANGLE LOCATION

Revisions shown in purple and woodland compiled from aerial photographs taken 1981 and other source data
Partial field check by U. S. Forest Service. Map edited 1985

Purple tint indicates extension of urban area

VIRGINIA, MINN.
47092-E5-TF-024

1951
PHOTOREVISED 1985
DMA 7479 II SE-SERIES V872